

MILITARY SPECIFICATION  
MICROCIRCUITS, DIGITAL, POSITIVE LOGIC  
CMOS, STATIC SHIFT REGISTER,  
MONOLITHIC SILICON

Inactive for new design after 9 August 1996

This amendment forms a part of MIL-M-38510/57E, dated 30 November 1987,  
and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.2.3, add new case outline as follows:

"N	F-5A (16-lead, .440" x .285" x .115"), flat package
T	F-2A (14-lead, .390" x .260" x .115"), flat package"

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\*Table I,  $I_{IH}$ , device types 01 - 56: Change max limits from "45" to "100" (2 places).

\*Table I,  $I_{IL}$ , device types 01 - 56: Change max limits from "-45" to "-100" (2 places).

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\*Table I, Maximum clock frequency,  $f_{CL}$ , device type 03, 04: Change Min limits from "200" to "700".

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FIGURE 1: Delete "Cases A, C, D, X, and Y" and substitute "Cases A, C, D, T, X, and Y" for device types 01 and 51.

FIGURE 1: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z" for device types 02, 03, 04, 05, 52, 53, 54, and 55.

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TABLE III: Delete "Cases A, C, D, X, and Y" and substitute "Cases A, C, D, T, X, and Y" for device type 01.

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z"

\*TABLE III,  $I_{IH1}$ , Max limits column: Change "11.0" to "1100.0".

\*TABLE III,  $I_{IH2}$ , Max limits column: Change "1.0" and "45.0" to "100.0" and "100.0" respectively.

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z"

\*TABLE III, I<sub>IL1</sub>, Max limits column: Change "-11.0" to "-1100.0".

\*TABLE III, I<sub>IL2</sub>, Max limits column: Change "-1.0" and "-45.0" to "-100.0" and "-100.0" respectively.

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z".

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z".

\*TABLE III, I<sub>IH1</sub>, Max limits column: Change "6.0" to "600.0".

\*TABLE III, I<sub>IH2</sub>, Max limits column: Change "1.0" and "45.0" to "100.0" and "100.0" respectively.

\*TABLE III, I<sub>IL1</sub>, Max limits column: Change "-6.0" to "-600.0".

\*TABLE III, I<sub>IL2</sub>, Max limits column: Change "-1.0" and "-45.0" to "-100.0" and "-100.0" respectively.

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z".

PAGES 70 THROUGH 78

TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z".

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z".

\*TABLE III, I<sub>IH1</sub>, Max limits column: Change "11" to "1100.0".

\*TABLE III, I<sub>IH2</sub>, Max limits column: Change "1.0" and "45.0" to "100.0" and "100.0" respectively.

\*TABLE III, I<sub>IL1</sub>, Max limits column: Change "-11" to "-1100.0".

\*TABLE III, I<sub>IL2</sub>, Max limits column: Change "-1.0" and "-45.0" to "-100.0" and "-100.0" respectively.

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TABLE III: Delete "Cases E, F, and Z" and substitute "Cases E, F, N, and Z".

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After 4.4.3b (3), add the following:

- "c. When device types 01 through 03 are qualified by extension (see 4.3.1), these device types will be inspected (QCI) according to the requirements for device types 51 through 53, respectively."

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The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

CONCLUDING MATERIAL

Custodians:

Army - CR  
Navy - EC  
Air Force - 11  
NASA - NA  
DLA - CC

Preparing activity:

DLA - CC

Review activities:

Navy - AS, CG, MC, OS, SH  
Army - AR, MI, SM  
Air Force - 19, 85, 99

(Project 5962-1840)